

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **Poly-48APP**

Applicants: **Stephen Arnold et al.**

Serial No.: **Not yet assigned**

Filing Date: **Herewith**

Title: **USING A CHANGE IN ONE OR MORE PROPERTIES OF LIGHT IN ONE
OR MORE MICROSPHERES FOR SENSING CHEMICALS SUCH AS
EXPLOSIVES AND POISON GASES**

Examiner: **Not yet assigned**

Group Art Unit: **Not yet assigned**

Mail Stop Patent Application
Commissioner for Patents00
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:


Information Disclosure Statement Transmittal

The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references is enclosed.

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Respectfully submitted,

Dated: December 12, 2003



John C. Pokotylo, Attorney
Reg. No. 36,242
Customer No. 26479
(732) 542-9070

STRAUB & POKOTYLO
620 Tinton Avenue
Bldg. B, 2nd Floor
Tinton Falls, NJ 07724-3260

*****EXPRESS MAIL CERTIFICATION*****

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John C. Pokotylo

36,242
Reg. No.

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| U.S. Department of Commerce Patent and Trademark Office | | | | <u>Complete if Known</u> | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number: Not yet assigned Filing Date: Herewith First Named Inventor: Stephen ARNOLD Group Art Unit: Not yet assigned Examiner Name: Not yet assigned | |
| Sheet | 1 | of | 2 | Attorney Docket No.: Poly-48APP | |

U.S. PATENT DOCUMENTS

[illegible][illegible]

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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

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| U.S. Department of Commerce Patent and Trademark Office | | | <i>Complete if Known</i> | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Application Number: Not yet assigned | | | |
| | | | Filing Date: Herewith | | | |
| | | | First Named Inventor: Stephen ARNOLD | | | |
| | | | Group Art Unit: Not yet assigned | | | |
| Examiner Name: Not yet assigned | | | Attorney Docket No.: Poly-48APP | | | |
| Sheet | 2 | of | 2 | | | |

| OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS | | | |
|--|--------------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source | T ² |
| | AH | A. Serpengüzel, S. Arnold and G. Griffel, "Excitation of resonances of microspheres on an optical fiber," <u>OPTICS LETTERS</u> , Vol. 20, No. 7, pp. 654-656, (April 1995). | |
| | AI | S. Arnold, "Microspheres, Photonic Atoms and the Physics of Nothing," <u>American Scientist</u> , Volume 89, pp. 414-421 (September-October 2001). | |
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